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Tryphoninae species from Turkish Aegean region (Hymenoptera, Ichneumonidae)

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Abstract: In the present study specimens of Tryphoninae (Hymenoptera: Ichneumonidae) were collected from a total of 26 localities of Turkish Aegean region between the years 1997 and 1998. A total of 21 species belonging to 8 genera of Tryphoninae were identified. Two species are new records for the Turkish Ichneumonid fauna. These species are *Netelia (Parabates) nigricarpus* (THOMSON 1888) and *Netelia (Netelia) praevalvator* DELRIO 1971.

Keywords: Hymenoptera, Ichneumonidae, Tryphoninae, Fauna, Turkey.

Introduction

Until now 70 Tryphoninae species from Turkey were listed (KOLAROV 1987, 1994, 1995; KOLAROV & BEYARSLAN 1994; KOLAROV et al. 1997 & 1999 etc.; OZDEMIR 2001; YURTCAN & BEYARSLAN 2002; GURBUZ & AKSOYLAR 2004; CORUH et al. 2005; GURBUZ & KOLAROV 2005, 2006). After identification of the Ichneumonidae materials collected between 1997 and 1998 from the Turkish Aegean region 21 Tryphoninae species were established. Two species marked in the text by "*" are new records for the Turkish fauna. For every species short zoogeographical characterization is given.

Results

* *Netelia (Parabates) nigricarpus* (THOMSON 1888)

Material examined: Afyon-Sincanli-Akoren, 950 m, 26.7.1997, 1 ♀; Mugla-Marmaris-Degirmenyani, 100 m, 26.6.1998, 1 ♀; Usak-Banaz, 820 m, 27.7.1997, 1 ♀.

Distribution: Palearctic.

Netelia (Bessobates) cristatus (THOMSON 1888)

Material examined: Afyon-Sincanli-Akoren, 950 m, 26.7.1997, 1 ♀; Denizli-Kale, 500 m, 27.6.1998, 1 ♀ and 1 ♂; Mugla-Gokova- Kemertur, 5 m, 26.6.1998, 2 ♀ and 2 ♂; Mugla-Marmaris, Degirmenyani, 100 m, 26.6.1998, 2 ♀ and 1 ♂; Mugla-Yaras, 250 m, 27.6.1998, 1 ♂.

Distribution: Palearctic and New Guinea.

*** *Netelia (Netelia) praevalvator* DELRIO 1971**

M a t e r i a l e x a m i n e d : Afyon-Dinar-Kazanpinar, 1000 m, 28.6.1998, 1 ♀; Afyon-Sincanli-Karacaoren, 900 m, 27.7.1997, 2 ♀ ♀ and 3 ♂ ♂; Denizli-Zeytinkoy- Bagbasi, 350 m, 30.7.1997, 1 ♀.

D i s t r i b u t i o n : Algeria, Morocco, Italy, Bulgaria, Ukraine, Armenia and Turkey.

***Netelia (Netelia) silantjewi* (KOKUJEV 1899)**

M a t e r i a l e x a m i n e d : Afyon-Sincanli-Akoren, 950 m, 26.7.1997, 1 ♀; İzmir-Urla, 30 m, 23.6.1998, 1 ♂; Mugla-Marmaris- Degirmenyani, 100 m, 26.6.1998, 1 ♀; Üsak-Banaz, 820 m, 27.7.1997, 1 ♀.

D i s t r i b u t i o n : Palaearctic and Oriental region.

***Netelia (Netelia) testacea* (GRAVENHORST 1829)**

M a t e r i a l e x a m i n e d : Afyon-Sincanli-Akoren, 950 m, 26.7.1997, 1 ♀; Denizli-Kale, 500 m, 27.6.1998, 1 ♀ and 1 ♂; Mugla-Gokova- Kemertur, 5 m, 26.6.1998, 2 ♀ ♀ and 2 ♂ ♂; Mugla-Marmaris-Degirmenyani, 100 m, 26.6.1998, 2 ♀ ♀ and 1 ♂; Mugla-Yaras, 250 m, 27.6.1998, 1 ♂.

D i s t r i b u t i o n : Palaearctic and Oriental region.

***Netelia (Netelia) ocellaris* (THOMSON 1888)**

M a t e r i a l e x a m i n e d : Afyon-Sincanli-Akoren, 950 m, 26.7.1997, 1 ♀; İzmir-Urla, 30 m, 23.6.1998, 1 ♂; Mugla-Marmaris- Degirmenyani, 100 m, 26.6.1998, 1 ♀; Üsak-Banaz, 820 m, 27.7.1997, 1 ♀.

D i s t r i b u t i o n : Palaearctic and Oriental region.

***Netelia (Netelia) fuscicornis* (HOLMGREN 1858)**

M a t e r i a l e x a m i n e d : Afyon-Bolvadin-Kapakli, 1250 m, 29.6.1998, 1 ♀ and 1 ♂; Afyon-Dinar-Kazanpinar, 1000 m, 28.6.1998, 1 ♂; İzmir-Oglananasi, 160 m, 24.6.1998, 1 ♀; Manisa-Gordes-Gunesli, 40 m, 23.7.1997, 1 ♂; Manisa-Kula, 810 m, 30.6.1998, 1 ♀.

D i s t r i b u t i o n : Palaearctic and Oriental region.

***Netelia (Netelia) valvator* AUBERT 1968**

M a t e r i a l e x a m i n e d : Afyon- Sincanli-Akoren, 950 m, 26.7.1997, 1 ♀; Denizli-Kale, 500 m, 27.6.1998, 1 ♀ and 1 ♂; İzmir-Karaburun-Baliklio, 20 m, 23.6.1998, 1 ♂; Manisa-Turgutlu, 150 m, 30.6.1998, 1 ♀; Mugla-Gokova- Kemertur, 5 m, 26.6.1998, 2 ♀ ♀ and 2 ♂ ♂; Mugla-Marmaris- Degirmenyani, 100 m, 26.6.1998, 2 ♀ ♀ and 1 ♂; Mugla-Yaras, 250 m, 27.6.1998, 1 ♂.

D i s t r i b u t i o n : Palearctic.

***Netelia (Netelia) rufescens* (TOSQUINET 1896)**

M a t e r i a l e x a m i n e d : Afyon-Sincanli-Akoren, 950 m, 26.7.1997, 1 ♀; İzmir-Oglananasi, 160 m, 24.6.1998, 1 ♀; İzmir-Urla, 30 m, 23.6.1998, 1 ♂; Mugla-Marmaris- Degirmenyani, 100 m, 26.6.1998, 1 ♀; Üsak-Banaz, 820 m, 27.7.1997, 1 ♀.

D i s t r i b u t i o n : Mediterranean region.

***Neleges proditor* (GRAVENHORST 1829)**

M a t e r i a l e x a m i n e d : Afyon-İhsaniye-Yenicekoy, 950 m, 26.7.1997, 1 ♀ and 1 ♂; Afyon-Sincanli-Akoren, 950 m, 26.7.1997, 2 ♀ ♀ and 1 ♂; Afyon-Sincanli-Karacaoren, 950 m, 27.7.1997, 1 ♂; Mugla-Yatagan-Dipsiz, 380 m, 18.9.1996, 1 ♀; Mugla-Gokova-Kemertur, 5 m, 26.6.1998,

1 ♀; Mugla-Milas-Saricay, 20 m, 30.7.1997, 1 ♀; Usak-Banaz, 820 m, 27.7.1997, 1 ♀ and 3 ♂ ♂.

Distribution: Europe, Caucasus and Turkey.

***Tryphon (Tryphon) zavreli* GREGOR 1939**

Material examined: İzmir-Oglanasi, 160 m, 24.6.1998, 1 ♀; İzmir-Urla, 30 m, 23.6.1998, 1 ♂; Mugla-Marmaris-Degirmenyani, 100 m, 26.6.1998, 1 ♀; Usak-Banaz, 820 m, 27.7.1997, 1 ♀.

Distribution: Late Czechoslovakia, Eastern Europe, Caucasus, Turkey and Kazakhstan.

***Tryphon (Tryphon) atriceps* STEPHENS 1835**

Material examined: Afyon- Sincanli-Akoren, 950 m, 26.7.1997, 1 ♀; Denizli-Kale, 500 m, 27.6.1998, 1 ♀ and 1 ♂; Mugla-Gokova-Kemertur, 5 m, 26.6.1998, 2 ♀ ♀ and 2 ♂ ♂; Mugla-Marmaris-Degirmenyani, 100 m, 26.6.1998, 2 ♀ ♀ and 1 ♂; Mugla-Yaras, 250 m, 27.6.1998, 1 ♂.

Distribution: Europe, Caucasus, Turkey and Middle Asia (Kopetdagh).

***Tryphon (Tryphon) trochanteratus* HOLMGREN 1855**

Material examined: Afyon-Sincanli-Karacaoren, 950 m, 27.7.1997, 1 ♂; Denizli-Tavas-Tekkekoy, 400 m, 27.6.1998, 1 ♀; İzmir-Menemen-Karakoyun, 30 m, 2.8.1997, 1 ♂; Mugla-Dipsiz-Yatagan, 380 m, 18.9.1996, 1 ♀; Mugla-Gokova-Kemertur, 5 m, 26.6.1998, 1 ♀; Usak-Banaz, 820 m, 27.7.1997, 1 ♀ and 3 ♂.

Distribution: Europe, Turkey and Siberia to Irkutsk.

***Tryphon (Tryphon) thomsoni* ROMAN 1939**

Material examined: Afyon-Sincanli-Akoren, 950 m, 26.7.1997, 2 ♀ ♀ and 1 ♂; Afyon-Sincanli-Karacaoren, 950 m, 27.7.1997, 1 ♂; Denizli-Civril-Kocayaka, 500 m, 29.7.1997, 4 ♀ ♀; Denizli-Tavas-Tekkekoy, 400 m, 27.6.1998, 1 ♀; Mugla-Dipsiz-Yatagan, 380 m, 18.9.1996, 1 ♀; Mugla-Gokova-Kemertur, 5 m, 26.6.1998, 1 ♀; Mugla-Milas-Saricay, 20 m, 30.7.1997, 1 ♀; Usak-Banaz, 820 m, 27.7.1997, 1 ♀ and 3 ♂.

Distribution: Europe, Caucasus, Turkey, Tajikistan and Siberia to Irkutsk.

***Tryphon (Tryphon) signator* GRAVENHORST 1829**

Material examined: Mugla-Marmaris, Degirmenyani, 100 m, 26.6.1998, 1 ♀; Usak-Banaz, 820 m, 27.7.1997, 1 ♀.

Distribution: Europe, Caucasus, Turkey and Siberia.

***Monoblastus marginellus* (GRAVENHORST 1829)**

Material examined: Afyon-Sincanli-Akoren, 950 m, 26.7.1997, 1 ♀; Denizli-Kale, 500 m, 27.6.1998, 1 ♀ and 1 ♂; Mugla-Gokova-Kemertur, 5 m, 26.6.1998, 2 ♀ ♀ and 2 ♂ ♂; Mugla-Marmaris-Degirmenyani, 100 m, 26.6.1998, 2 ♀ ♀ and 1 ♂; Mugla-Yaras, 250 m, 27.6.1998, 1 ♂.

Distribution: Europe, Turkey and Caucasus.

***Polyblastus (Labroctonus) alternans* SCHIODTE 1838**

Material examined: Aydın-Adnan Menderes Univ.-Ziraat Fak., 50 m, 18.9.1996, 1 ♂; Aydın-Germencik-Morali, 100 m, 24.6.1998, 1 ♀; Aydın-Kocarli-Cincin, 50 m, 18.9.1996, 1 ♂; Denizli-Civril-Kocayaka, 500 m, 29.7.1997, 2 ♀ ♀; Denizli-Tavas-Tekkekoy, 400 m, 30.7.1997, 2 ♂ ♂; Denizli-Zeytinkoy-Bagbasi, 350 m, 30.7.1997, 1 ♀.

Distribution: Europe, Turkey and Caucasus.

***Exyston sponsorius* (FABRICIUS 1781)**

M a t e r i a l e x a m i n e d : Afyon-Sincanli-Akoren, 950 m, 26.7.1997, 1 ♀; Mugla-Marmaris-Degirmenyeni, 100 m, 26.6.1998, 1 ♀; Usak-Banaz, 820 m, 27.7.1997, 1 ♀.

D i s t r i b u t i o n : Palearctic.

***Acrotomus lucidulus* (GRAVENHORST 1829)**

M a t e r i a l e x a m i n e d : Afyon-Sincanli-Akoren, 950 m, 26.7.1997, 1 ♀; Denizli-Kale, 500 m, 27.6.1998, 1 ♀ and 1 ♂; Mugla-Gokova-Kemertur, 5 m, 26.6.1998, 2 ♀ ♀, 2 ♂ ♂; Mugla-Marmaris-Degirmenyeni, 100 m, 26.6.1998, 2 ♀ ♀ and 1 ♂; Mugla-Yaras, 250 m, 27.6.1998, 1 ♂.

D i s t r i b u t i o n : Palearctic.

***Acrotomus succinctus* (GRAVENHORST 1829)**

M a t e r i a l e x a m i n e d : İzmir-Oglanasi, 160 m, 24.6.1998, 1 ♀; İzmir-Urla, 30 m, 23.6.1998, 1 ♂; Mugla-Marmaris-Degirmenyeni, 100 m, 26.6.1998, 1 ♀; Usak-Banaz, 820 m, 27.7.1997, 1 ♀.

D i s t r i b u t i o n : Palearctic.

***Kristotomus laetus* (GRAVENHORST 1829)**

M a t e r i a l e x a m i n e d : Afyon-Sincanli-Karacaoren, 900 m, 27.7.1997, 2 ♀ ♀ and 3 ♂ ♂; Afyon-Evciler-Korkuyu, 950 m, 28.6.1998, 1 ♀; Denizli-Tavas-Tekkekoy, 400 m, 30.7.1997, 2 ♂ ♂; Denizli-Zeytinkoy-Bagbasi, 350 m, 30.7.1997, 1 ♀.

D i s t r i b u t i o n : Palearctic.

Zoogeographical notes

According to their type of distribution the above mentioned species can be divided to the following groups:

Multiregional distribution with palearctic and oriental ranges have *Netelia* (*Bessobates*) *cristatus*, *Netelia* (*Netelia*) *silantjewi*, *N. (N.) ocellaris* and *N. (N.) fuscicornis*.

With palaeartic distribution (transpalaeartic ranges) are *Netelia* (*Parabates*) *nigricarpus*, *N. (N.) valvator*, *Exyston sponsorius*, *Acrotomus lucidulus*, *A. succinctus* and *Kristotomus laetus*.

Eurosiberian ranges have *Tryphon* (*Tryphon*) *trochanteratus*, *T. (T.) thomsoni* and *T. (T.) signator*.

Mediterranean distribution have *N. (N.) praevalvator* and *N. (N.) rufescens*.

European-Asia minor-Caucasian distribution have *Neleges proditor*, *Monoblastus marginellus*, *Polyblastus* (*Labroctonus*) *alternans*, *T. (T.) zavreli* and *T. (T.) atriceps*. The ranges of the last two species reaching to Middle Asia (Kazakhstan and Kopetdagh respectively).

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Zusammenfassung

Vorliegende Arbeit behandelt 21 Arten aus 8 Gattungen der Unterfamilie Tryphoninae (Hymenoptera: Ichneumonidae), die aus 26 Fundorten der türkischen Ägäis stammen und zwischen 1997 und 1998 gesammelt wurden. *Netelia* (*Parabates*) *nigricarpus* (THOMSON 1888) und *Netelia* (*Netelia*) *praevalvator* DELRIO 1971 sind Erstnachweise für die türkische Ichneumoniden-Fauna.

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